

CLAIMS:

1. A topical pharmaceutical composition, comprising a topically acceptable carrier, and at least one active ingredient, a cyclic psychotropic agent, said cyclic psychotropic agent being other than doxepine and tomoxetine.
- 5 2. A composition according to Claim 1, wherein the cyclic psychotropic agent is an anti-depressant.
3. A composition according to Claim 2, wherein active anti-depressant is selected from: selective serotonin re-uptake inhibitors (SSRIs); selective noradrenaline re-uptake inhibitors (NRIs); serotonin and noradrenergic re-uptake inhibitors (SNRIs); cyclic anti-depressants, and atypical anti-depressant.
- 10 4. A composition according to Claim 3, wherein:
 - (a) the SSRIs are selected from: fluoxetine, paroxetine and sertraline;
 - (b) the NRIs being : reboxetine
 - (c) the SNRI is selected from: venlafaxine, duloxetine and milnacipran;
 - 15 (d) the cyclic anti-depressant selected from:
 - (d1) tricyclic anti-depressant selected from: imipramine, clomipramine, amitriptyline and doxepine;
 - (d2) bicyclic anti-depressants selected from: paroxetine, sertraline;
 - (d3) monocyclic anti-depressants selected from: phenylpropylamine derivatives ;The composition according to Claim 4, wherein the phenylpropylamine derivatives are phenoxy-3-propylamine derivatives.
 - 20 (d4) atypical antidepressants selected from : mianserin, bupropion, mirtazapine, trazodone.
- 25 5. The composition according to claim 4 wherein the phenylpropylamine derivatives are phenoxy-3-propylamine derivatives.

6. The composition according to Claim 5, wherein the phenoxy-3 propylamine derivatives are selected from: nisoxetine, fluoxetine, norfluoxetine, reboxetine, atomoxetine and venlafaxine.
7. The composition according to Claim 1, wherein the cyclic psychotropic agent is an anti-psychotic drug.
5
8. The composition according to Claim 7, wherein the anti-psychotic drug is selected from tricyclic anti-psychotic drug and atypical antipsychotic drug.
9. The composition according to Claim 8, wherein the tricyclic anti-psychotic drug is phenothiazine.
10
10. The composition according to Claim 9, wherein the phenothiazine is selected from: thioridazine, perphenazine, trifluoperazine and fluphenazine.
11. The composition according to Claim 8, wherein the tricyclic antipsychotic drug is thioxanthenes.
15
12. The composition according to Claim 11, wherein the thioxanthenes are selected from flupenthixol, thiothixene, chlorprothixene and zuclopentixol.
13. The composition according to Claim 8, wherein the atypical anti-psychotic drug is selected from clozapine, quetiapine, ziprasidone, olanzapine and risperidone.
15
14. A composition according to claim 1 in a formulation selected from: ointment, cream, gel, solution, suspension, lotion, shampoo, foam, lyposomic formulation, paste, emulsion, salve, suppositories, vaginal tablets, ocular salves or drops, otic drops, nasal spray and nasal drops.
20
15. A composition according to claim 14 in a formulation selected from: cream, ointment, gel, foam, solution, lotion.
25
16. A method for the treatment of a dermatological disease, disorder, or pathology the method comprising, topically administering to a subject in need of dermatological treatment, a therapeutically effective amount of a psychotropic cyclic agent, said cyclic psychotropic agent being other than atomoxetine and doxepine.

17. A method for the treatment of hyper-proliferative dermatological diseases, disorders or pathological conditions, comprising topically administering to a subject, in need of such treatment, a therapeutically effective amount of a cyclic psychotropic agent,

5 wherein, where the hyper-proliferative skin disorder is psoriasis, the cyclic psychotropic agent is not atomoxetine.

18. A method according to Claim 17, wherein said hyperproliferative skin disease or disorder is selected from: psoriasis, scleroderma, epidermal hyperplasia, hyperkeratosis, acanthosis, papilloma, actinic keratoses, and skin cancer.

10 **19.** The method according to Claim 18, wherein said skin cancer is selected from basal cell carcinoma, melanoma, squamous cell carcinoma, cutaneous T-cell lymphoma and Kaposi's sarcoma.

20. The method according to Claim 17, wherein the cyclic psychotropic agent is an anti-depressant.

15 **21.** The method according to Claim 20, wherein the anti-depressant is selected from: selective serotonin re-uptake inhibitor (SSRI); selective noradrenaline re-uptake inhibitor (NRIS), serotonin and noradrenergic re-uptake inhibitor (SNRI); cyclic anti-depressants, and atypical anti-depressant.

22. The method according to Claim 21, wherein:

20 (a) the SSRI is selected from fluoxetine, paroxetine and sertraline;

 (b) the NRIS is selected from: atomoxetine and reboxetine;

 (c) the SNRI is selected from venlafaxine, duloxetine and milnacipran;

 (d) the cyclic anti-depressant is selected from:

 (d1) tricyclic anti-depressant selected from: imipramine, clomipramine, amitriptyline and doxepine;

 (d2) bicyclic anti-depressants selected from: paroxetine, sertraline and citalopram;

 (d3) monocyclic anti-depressants selected from: phenylpropyl derivatives, fluoxetine and norfluoxetine

25

(d4) atypical anti-depressants selected from:: mianserin, bupropion, mirtazaoin and trazodone.

23. The method according to Claim 22, wherein the phenylpropylamine derivates are phenoxy-3-propylamine derivatives.

5 24. The method according to Claim 23, wherein the phenoxy-3 propylamine derivates are selected from: atomoxetine, nisoxetine, fluoxetine, norfluoxetine, reboxetine and venlafaxine.

25. The method according to Claim 17, wherein the cyclic psychotropic agent is an anti-psychotic drug.

10 26. The method according to Claim 25, wherein the anti-psychotic drug is selected from tricyclic anti-psychotic drug and atypical antipsychotic drug.

27. The method according to Claim 26, wherein the tricyclic anti-psychotic drug is phenothiazine.

15 28. The method according to Claim 27, wherein the phenothiazine is selected from: thioridazine, perphenazine, trifluoperazine and fluphenazine.

29. The method according to Claim 26, wherein the tricyclic antipsychotic drug is thioxanthenes.

30. The method according to Claim 29, wherein the thioxanthenes are selected from flupenthixol, thiothixene, chlorprothixene and zuclopentixol.

20 31. The method according to Claim 26, wherein the atypical anti-psychotic drug is selected from clozapine, quetiapine, ziprazidone, olanzapine and risperidone.

32. A method for the treatment of an inflammatory dermatological disease, disorder or pathological condition comprising topically administering to a subject, 25 in need of such treatment, a therapeutically effective amount of a cyclic psychotropic agent,

wherein, where the inflammatory skin disorder, disease or pathological condition is manifested by pruritus, the cyclic psychotropic agent is not doxepine.

33. A method according to claim 32 wherein, where the inflammatory skin disorder, disease or pathological condition is manifested by pruritus, or the skin disorder is atopic dermatitis the cyclic psychotropic agent is not doxepine.

34. A method according to Claim 33, wherein the inflammatory disease, disorder or pathological condition is an autoimmune disease.

35. A method according to Claim 34, wherein said autoimmune skin disorder is selected from: vitiligo, scleroderma, alopecia areata, psoriatic arthritis, lichen planus, lichen sclerosus, discoid lupus, lupus erythematosus, leg ulceration in rheumatoid arthritis, atopic dermatitis, cicatrical pemphigoid and pyoderma gangrenosum.

36. A method according to Claim 34, wherein the inflammatory disease is a non-autoimmune disease.

37. A method according to Claim 36, wherein the inflammatory disease is selected from: rosacea, pruritus, seborrheic dermatitis and contact dermatitis .

38. A method according to Claim 33, wherein the cyclic psychotropic agent is an anti-depressant.

39. A method according to Claim 38, wherein the active anti-depressant is selected from: selective serotonin re-uptake inhibitor (SSRI); selective noradrenaline re-uptake inhibitor (NRIS), serotonin and noradrenergic re-uptake inhibitor (SNRI); cyclic anti-depressants, and a typical anti-depressant.

40. A method according to Claim 39, wherein:

- (a) the SSRI is selected from: fluoxetine, paroxetine, sertraline;
- (b) the NRIS is selected from: atomoxetine and reboxetine;
- (c) the SNRI is selected from: venlafaxine, duloxetine and milnacipran;
- 25 (d) the cyclic anti-depressant selected from
 - (d1) tricyclic anti-depressant selected from imipramine, clomipramine, amitriptyline and doxepine;
 - (d2) bicyclic anti-depressants selected from paroxetine, sertraline and citalopram;

(d3) monocyclic anti-depressants are phenylpropylamine derivatives fluoxetine and norfluoxetine.

(d4) atypical anti-depressants selected from mianserin, bupropion, mirtazaoin and trazodone.

5 **41.** A method according to Claim 40, wherein the phenylpropylamine derivates are phenoxy-3-propylamine derivatives.

42. A method according to Claim 41, wherein the phenoxy-3 propylamine derivatives are selected from: atomoxetine, nisoxetine, fluoxetine, norfluoxetine, reboxetine and venlafaxine.

10 **43.** A method according to Claim 33, wherein the cyclic psychotropic agent is an anti-psychotic drug.

44. A method according to Claim 43, wherein the anti-psychotic drug is selected from tricyclic anti-psychotic drug and atypical antipsychotic drug.

15 **45.** A method according to Claim 44, wherein the tricyclic anti-psychotic drug is phenothiazine.

46. A method according to Claim 45, wherein the phenothiazine is selected from: thioridazine, perphenazine, trifluoperazine and fluphenazine.

47. A method according to Claim 43, wherein the tricyclic antipsychotic drug is thioxanthenes.

20 **48.** A method according to Claim 47, wherein the thioxanthenes are selected from flupenthixol, thiethixene, chlorprothixene and zuclopentixol

49. A method according to Claim 43, wherein the atypical anti-psychotic drug is selected from clozapine, quetiapine, ziprazidone, olanzapine and risperidone .

50. A method for sensitizing skin cancer cells to chemotoxic drugs , the
25 method compriing topically administering to a subject, in need of chemotoxic therapy a therapeutically effective amount of a cyclic psychotropic agent, with the proviso that the cyclic psychotropic agent is not fluoxetine.

51. A method according to claim 50 wherein the skin cancer is multi-drug
resistant skin cancer.

52. A method according to claim 50 wherein the cyclic psychotropic drug is topically administered simultaneously with the administration of the chemotoxic drug .

53. A method according to claim 50 wherein the cyclic psychotropic drug is 5 topically administered prior to the administration of the chemotoxic drug.

54. A method according to claim 50 wherein the chemotoxic drug is administered systemically.

55. A method according to claim 50 wherein the cyclic psychotropic agent is a cyclic anti-psychotic drug.

10 56. A method according to claim 55 wherein the anti-psychotic drug is a tricyclic antipsychotic drug.

57. A method according to claim 56 wherein the tricyclic antipsychotic drug is phenothiazine.

15 58. A method according to Claim 57, wherein the phenothiazine is selected from: thioridazine, perphenazine, trifluoperazine and fluphenazine

59. A method for identifying and screening for , an active agent for the treatment of a dermatological/mucosal disease, disorder or pathological condition by topical or mucosal application, the method comprising:

(a) providing one cyclic psychotropic drug as a candidate active agent;

20 (b) applying the cyclic psychotropic drug to a biological model system for said dermatological/mucosal disease, disorder or pathological condition;

(c) monitoring the change in at least one physiological parameter, said change being indicative of a beneficial therapeutic effect in said biological model system;

25 wherein a significant change in said at least one physiological parameter as compared to control indicates that the candidate cyclic psychotropic agent is active for the treatment of said dermatological disease, disorder or pathological condition.

60. A method according to claim 59 wherein the cyclic psychotropic drug is an anti psychotic drug or an antidepressant.